

ABSTRACT OF THE DISCLOSURE
REDOX PROCESS FOR PREPARING EMULSION POLYMER HAVING LOW
FORMALDEHYDE CONTENT

5 A process for preparing an aqueous emulsion polymer including providing
at least one ethylenically unsaturated monomer and a free radical redox initiator
system under emulsion polymerization conditions, the redox initiator system
composed of t-alkyl hydroperoxide, t-alkyl peroxide, or t-alkyl perester wherein
the t-alkyl group includes at least 5 Carbon atoms and a non-formaldehyde-
10 forming reducing agent; and effecting the polymerization of at least some of the
ethylenically unsaturated monomer is provided. Also provided is a process for
reducing the residual ethylenically unsaturated monomer content of an aqueous
emulsion polymer.